Year 8 - Acid and Base Indicators

Part A

Discussion questions – make sure you expand your answers!!:

Vinegar is an acid, Ammonia a base and distilled water is neutral.

1. Which of the indicators changed only with acid?
2. Which of the indicators changed only with a base?
3. Which indicators also changed with the distilled water?
4. What does this mean if phenolphthalein is used as an indicator and does not change colour?
5. Were there any indicators that changed in both an acid and base?
6. Where might it be important to use acid and base indicators in real life(you may need to google this)?
7. Where there changes that you would suggest to improve the experiment?
8. Check your results with expected answers (http://chemistry.about.com/od/acidsbases/a/Acid-Base-Indicators.htm) . Where there any unexpected results?